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UTILITY PATENT APPLICATION **TRANSMITTAL**

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| Attorney Docket No. | 1122897-0002-CIP |
| First Inventor | Dale E. Polk, Jr. |
| Title | Thermoplastic Molding Process and Apparatus |
| | EV286873808US |

| (Unly for ne | ew nonprovisional | applications under 37 CFR 1.53(b)) | Express Ma | ail Label No. | EV28087 | 380805^ | | / |
|---|--|---|--|--|--|---|--|---------------------|
| See MPEP ch | | ON ELEMENTS ning utility patent application contents. | ADDRES | SS TO: | P.O. Box 1 | Patent Application oner for Patents 450 a VA 22313-1450 | | 000 |
| (Submit a Applican See 37 Specific (preferrer - Descrip - Cross F - Statem - Referrer or a cor - Backgr - Brief S - Brief D | an original and a int claims small CFR 1.27. cation and arrangement septive title of the immediate to the immediate to the immediate to sequence is imputer program life to the Inventummary of the Inventummary of the Invented Description of the Description of the Description of the Description of the Invented Description Invented Descrip | [Total Pages54] It forth below) vention ited Applications d sponsored R & D isting, a table, sting appendix tion vention | 8. Nuclee (if appi a b. | omputer Progotide and/or A licable, all nec Computer Specifical i. CD- iii. Pap Statemer | ram (Apper mino Acid : essary) Readable ion Sequer ROM or Cl er | cate, large table ndix) Sequence Subm Form (CRF) nce Listing on: D-R (2 copies); of above PPLICATION | nission or ve copies | 19270 U.S. 10/81531 |
| - Abstract 4. | ct of the Disclosur g(s) (35 U.S.C. aration dy executed (or y from a prior a continuation/div DELETION OF signed statement a name in the prior a 1.63(d)(2) and 1.33 cation Data She | [Total Sheets] [Total Sheets] [iginal or copy) pplication (37 CFR 1.63(d)) isional with Box 18 completed) INVENTOR(S) attached deleting inventor(s) pplication, see 37 CFR 3(b). et. See 37 CFR 1.76 | 9. | Assignment F 37 CFR 3.73(when there is English Trans Information D Statement (ID Preliminary A Return Recei (Should be sp Certified Copy (if foreign paid Nonpublicatio (b)(2)(B)(i). A or its equivale Other: Transo | lapers (covered to the control of th | rer sheet & document Police (in application City) (if application | iment(s)) ower of torney object of IDS tations | |
| Continu Prior application int For CONTINUATION 5b, is considered | owing the title, of unation formation: ON OR DIVISION a part of the dis- | Examiner Donald J. Loney AL APPS only; The entire disclosure of the accompanying continuatio ed upon when a portion has been inadve | 37 CFR 1.76: ation-in-part (Cli he prior applica n or divisional rtently omitted | P) of pri Art Un ation, from whice application and from the subm | or applicatio it: 1772 ch an oath o | n No.: .19/293.90 or declaration is sincorporated by |)5supplied und | |
| | | 19. CORRESPON | IDENCE AD | DRESS | | | <u>.</u> | |
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| Country | | 7 | elephone | | | Fax | | |
| Name (Print/Typ | e) Andrew Fe | essak | Registration | n No. (Attorne | y/Agent) | 48,528 | | |
| Signature | | <u> </u> | - | - | - | Date | | - |

This collection of information is required by 37 CFR 1.33(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032

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| | Complete if Known | | | |
|---|----------------------|-------------------|--|--|
| FEE TRANSMITTAL | Application Number | TBA | | |
| for FY 2004 | Filing Date | TBA | | |
| flective 10/01/2003. Patent fees are subject to annual revision. | First Named Inventor | Dale E. Polk, Jr. | | |
| rective foro 172003. Faterit lees are subject to armual revision. | Everier Neme | | | |

Ei Examiner Name Applicant claims small entity status. See 37 CFR 1.27 Art Unit (\$) 628 TOTAL AMOUNT OF PAYMENT Attorney Docket No. 1122897-002 CIP

| Check | METHOD OF PAYMENT (check all that apply) | FEE CALCULATION (continued) | | | | | |
|--|--|-----------------------------|-----------------------------|------|----------|--|----------|
| Deposit Account: | | 3. ADDITIONAL FEES | | | | | |
| Disposit Account Number Deposit Number Deposit Account Number Deposit Number Dep | | | Large Entity Small Entity | | | | |
| Account Number Deposit White & Case White & | Denosit | | | | | Fee Description | Eoo Bold |
| Deposit Account The Director is authorized to: (check all that apply) Policetor is authorized to: (check all that apply) Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account. FEE CALCULATION 1805 1,840* 1805 | | | | | | Surcharge - late filing fee or oath | reeralu |
| The Director is authorized to: (check all that apply) The Director is authorized t | Deposit VA/hito & Coop | 1052 | 50 | 2052 | 25 | | |
| Charge fee(s) indicated below Credit any overpayments | Name | 1053 | 130 | 1052 | 120 | | |
| Charge face(s) indicated below. except for the filling fee to the above-identified below. except for the filling fee to the above-identified deposit account. FEE CALCULATION | | | | | | | |
| Charge fee(s) indicated below, except for the filling fee to the above-identified deposit account. | Criaigo too(o) indicator pototi | | | | | | |
| Total Claims | | | | | | Examiner action | \vdash |
| 1. BASIC FILING FEE Large Entity Small Entity Fee | | 1805 1 | 1,840* | 1805 | 1,840* | | |
| 1. BASIC FILING FEE Large Entity Small Entity | FEE CALCULATION | 1251 | 110 | 2251 | 55 | Extension for reply within first month | |
| Large Entity Small Entity Fee | | 1252 | 420 | 2252 | 210 | Extension for reply within second month | |
| 125 | Large Entity Small Entity | 1253 | 950 | 2253 | 475 | Extension for reply within third month | |
| 1001 770 2001 385 | | 1254 1 | 1,480 | 2254 | 740 | Extension for reply within fourth month | |
| 1002 340 2002 170 Design filing fee 1401 330 2401 165 Notice of Appeal 1402 330 2402 165 Filing a brief in support of an appeal 1403 770 2004 385 Reissue filing fee 1403 290 2403 145 Fee from Substitute a public use proceeding 1451 1,510 1451 1,510 Petition to institute a public use proceeding 1452 110 2452 55 Petition to revive - unavoidable 1453 1,330 2401 145 1,510 Petition to institute a public use proceeding 1453 1,330 2453 665 Petition to revive - unavoidable 1453 1,330 2453 665 Petition to revive - unavoidable 1453 1,330 2453 665 Petition to revive - unavoidable 1501 1,330 2501 665 Utility issue fee (or reissue) 1502 480 2502 240 Design issue fee 1502 480 2502 240 Design issue fee 1503 480 2503 320 Plant issue fee 1460 130 Petitions to the Commissioner 1460 130 Petitions to the Commissioner 1807 50 Processing fee under 37 CFR 1.17(q) 1806 1806 1806 180 1806 180 1806 1806 1806 1806 1806 1806 1806 1806 1806 1806 1806 1806 1806 1806 1806 1806 1806 | 1001 770 2001 395 Hilliby Sling for | 1255 2 | 2,010 | 2255 | 1,005 | Extension for reply within fifth month | |
| 1004 770 2004 385 Reissue filing fee 1403 290 2403 145 Request for oral hearing 1451 1,510 Petition to institute a public use proceeding 1451 1,510 Petition to institute a public use proceeding 1451 1,510 Petition to institute a public use proceeding 1451 1,510 Petition to revive - unavoidable 1452 110 2452 55 Petition to revive - unavoidable 1453 1,330 2453 665 Petition to revive - unintentional 1451 1,510 Petition to revive - unavoidable 1453 1,330 2453 665 Petition to revive - unintentional 1451 1,510 Petition to revive - unavoidable 1453 1,330 2453 665 Petition to revive - unintentional 1453 1,330 2453 665 Petition to revive - unintentional 1453 1,330 2453 665 Petition to revive - unintentional 1453 1,330 2453 665 Petition to revive - unintentional 1453 1,330 2453 665 Petition to revive - unintentional 1453 1,330 2453 665 Petition to revive - unintentional 1453 1,330 2453 665 Petition to revive - unavoidable 1453 1,330 2453 665 Petition to revive - unavoidable 1453 1,330 2453 665 Petition to revive - unavoidable 1453 1,350 2453 665 Petition to revive - unavoidable 1453 1,350 2453 665 Petition to revive - unavoidable 1453 1,350 2453 665 Petition to revive - unavoidable 1453 1,350 2453 665 Petition to revive - unavoidable 1453 1,350 2453 665 Petition to revive - unavoidable 1453 1,350 2453 665 Petition to revive - unavoidable 1453 1,350 2453 665 Petition to revive - unavoidable 1453 1,350 2453 665 Petition to revive - unavoidable 1453 1,350 2453 665 Petition to revive - unavoidable 1453 1,350 2453 665 Petition to revive - unavoidable 1453 1,350 2453 665 Petition to revive - unavoidable 1453 1,350 2453 665 Petition to revive - unavoidable 1453 1,350 2453 665 Petition to revive - unavoidable 1453 1,350 2453 665 Petition to revive - unavoidable 1453 1,350 2453 665 Petition to revive - unavoidable 1453 1,350 2453 6 | | 1401 | 330 | 2401 | 165 | Notice of Appeal | |
| 1451 1,510 145 | 1003 530 2003 265 Plant filing fee | 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal | |
| SUBTOTAL (1) (\$) 385 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Total Claims | 1004 770 2004 385 Reissue filing fee | 1403 | 290 | 2403 | 145 | Request for oral hearing | |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Fee from Large Entity Small Entity Fee Fee Code (\$) 1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claims in excess of 3 1204 86 2204 43 "Reissue independent claims over original patent claims over original patent claims in excess of 20 1205 18 2205 9 "Recissue independent claims in excess of 20 and over original patent claims in excess of 20 and over original patent claims in excess of 20 and over original patent claims in excess of 20 claims in excess of 20 and over original patent claims in excess of 20 and over original patent claims in excess of 20 claims in excess of 20 and over original patent claims in excess of 20 claims in excess of 20 and over original patent claims in excess of 20 claims in excess of 20 and over original patent claims in excess of 20 and over original patent claims in excess of 20 claims in excess of 20 and over original patent claims in excess of 20 claims in excess of 20 and over original patent claims in excess of 20 claims in excess of 20 and over original patent c | 1005 160 2005 80 Provisional filing fee | 1451 1 | ,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Fee from Independent Claims Independent Claims Multiple Dependent Large Entity Fee Fee Code (\$) Fee Fee Code (\$) Code (\$ | SUBTOTAL (1) (\$) 385 | 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | |
| Total Claims 47 -20** = 27 X 9 = 243 1502 480 2502 240 Design issue fee 1502 480 2503 320 Plant issue fee 1503 640 2503 320 Plant is | | | ,330 | 2453 | 665 | Petition to revive - unintentional | |
| Total Claims Independent Claims Multiple Dependent Large Entity Small Entity Fee Fee Fee Fee Code (\$) 1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3 1202 290 2203 145 Multiple dependent claims over original patent 1203 1804 2205 9 ** Reissue claims in excess of 20 1205 1807 1806 180 1806 180 | Fee from | | ,330 | | | Utility issue fee (or reissue) | |
| Independent Claims Multiple Dependent Large Entity Small Entity Fee Fee Fee Fee Fee Fee Fee Fee Code (\$) 1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claim, if not paid 1204 86 2204 43 ** Reissue independent claims over original patent 1205 18 2205 9 ** Reissue claims in excess of 20 1206 1807 50 Processing fee under 37 CFR 1.17(q) 1806 180 1806 180 Submission of Information Disclosure Stmt 8021 40 8021 40 Recording each patent assignment per property (times number of properties) 1809 770 2809 385 Filing a submission after final rejection (37 CFR 1.129(a)) 1810 770 2810 385 For each additional invention to be examined (37 CFR 1.129(b)) 1801 770 2801 385 Request for Continued Examination (RCE) 1802 900 1802 900 Request for expedited examination of a design application 1803 706 707 | | | | | | • | |
| Multiple Dependent Large Entity Small Entity Fee Fee Fee Fee Fee Fee Code (\$) 1202 | Independent 2 3**- | - | | | | | |
| Large Entity Small Entity Fee Fee Fee Fee Fee Fee Code (\$) | Claims | 1460 | | 1460 | 130 | Petitions to the Commissioner | |
| Fee Fee Code (\$) 1202 18 1202 9 Claims in excess of 20 1201 86 1202 14 Multiple dependent claims over original patent 1204 86 1204 43 1205 9 ** Reissue claims in excess of 20 1205 18 1206 18 1207 18 1208 18 1209 18 | | 1807 | 50 | 1807 | 7 50 | Processing fee under 37 CFR 1.17(q) | |
| Code (\$) | | 1806 | 180 | 1806 | | | \vdash |
| 1202 18 2202 9 Claims in excess of 20 1809 770 2809 385 Filing a submission after final rejection (37 CFR 1.129(a)) 1203 290 2203 145 Multiple dependent claims in excess of 3 1810 770 2810 385 For each additional invention to be examined (37 CFR 1.129(b)) 1801 770 2801 385 Request for Continued Examination (RCE) 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent 1802 900 1802 900 Request for expedited examination of a design application 1802 900 Request for expedited examination of a design application 1803 770 2809 385 Filing a submission after final rejection (37 CFR 1.129(a)) 1800 770 2801 385 For each additional invention to be examined (37 CFR 1.129(b)) 1801 770 1802 900 Request for expedited examination of a design application 1802 900 Request for expedited examination of a design application 1809 770 1802 900 Request for expedited examination of a design application 1809 770 1809 77 | Code (\$) Code (\$) | 8021 | 40 | 8021 | 1 40 | Recording each patent assignment per property (times number of properties) | |
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| 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent 1802 900 1802 900 Request for expedited examination of a design application | | 1801 | 770 | 2801 | 385 | • | |
| Other fee (specify) | 1205 18 2205 9 ** Reissue claims in excess of 20 | | | | | Request for expedited examination | |
| | [| | | | | | |
| *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) | | | | | Filing F | ee Paid SUBTOTAL (3) (%) | |

SUBMITTED BY (Complete (if applicable)) Registration No. Name (Print/Type) Andrew Fessak 48.528 Telephone 212-819-8200 Date March 31, 2004 Signature

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(Signature of person mailing paper or fee)

RE: Title: THERMOPLASTIC MOLDING PROCESS AND APPARATUS;

Inventors: Dale E. Polk, Jr., and Dale E. Polk, Sr.;

This application is a continuation-in-part of U.S. patent application serial no. 10/293,005, filed Nov. 13, 2002, which is a continuation-in-part of U.S. patent application serial no. 10/104,394, filed March 25, 2002, pending, which is a divisional of U.S. application patent serial no. 08/993,516, filed Dec. 18, 1997, now abandoned; Our Ref.: 1122897-0002-CIP

The following are enclosed:

- PTO/SB/05 – Utility Patent Application Transmittal;

- PTO/SB/17 - Fee Transmittal - authorizing charges to a Deposit Account;

- Patent application containing:

Specification:

48 pages;

Claims:

5 pages;

Abstract:

<u>1</u> page;

Drawings:

14 pages; and

- Return postcard.

Respectfully submitted,

Andrew Fessak

Reg. No. 48,528

Agent for Applicants

Telephone: 212-819-8437

Customer No. 007470

Telephone: (212) 819-8200

Enclosures